

---

## **Massachusetts Alternative Energy Credits (AECs) for Air Source Heat Pumps for Home, Apartments and Multi-family**

The Alternative Portfolio Standard (APS) was established in Massachusetts to increase energy efficiency and reduce the need for conventional fossil fuel-based power generation in order to reduce greenhouse gas emissions by incentivizing energy savings technologies through environmental credits. Originally, the program included only a few technologies, principally, Combined Heat and Power (CHP), but was recently expanded to include renewable thermal technologies including Air Source Heat Pumps (ASHPs). Given the market value of the program's credits, AECs, qualified ASHP systems can achieve significantly higher financial returns while reducing carbon emissions.



### **Eligibility Criteria**

Under the small renewable thermal technologies program of the Massachusetts APS, the Department of Energy Resources (DOER) has established the following requirements for an ASHP system to qualify:

- have an operational date of January 1, 2015, or later
- have an output capacity of less than 134,000 Btu per hour
- be on the DOER's eligibility list of models or meet efficiency standards
- in the case of replacing an existing heating system without a back-up system, the ASHP must supply 100% of the building's heat
- in the case of replacing an existing heating system with a back-up system, the ASHP must supply 90% of the building's heat, distribute heat to all space-conditioned areas, and be at least 50% of the capacity of the remaining back-up system.
- in the case of new construction, the ASHP must supply 100% of the building's total annual heating load (no supplemental non-renewable heat sources allowed)

The owner of the ASHP system receives 10 years of AECs upfront in accordance with DOER formulas. Systems may also be eligible for multipliers of credits based on a set of criteria regarding the specific building that the ASHP system is being installed.

### **Application**

The application for qualification in the MA APS small renewable thermal program for ASHP systems includes, but is not limited to: site and facility information, contact information, equipment specifications, design specifications, NEPOOL GIS information, AEC service agreement (optional), Home Energy Rating System certification (optional), Affidavit of Zero Energy (optional, attachment), Passive House certification (optional). Intermediate and large ASHP systems require much more documentation such as process flow and 1-line electrical drawings.

### **Green Harbor Energy**

Green Harbor Energy has qualified more ASHP systems for the MA APS program than any other organization. In fact, over 75% of the qualified ASHP systems to-date have been qualified by Green Harbor Energy. We provide "soup-to-nuts" services from collecting all relevant information through our online portal, evaluating eligibility, submitting the application for qualification, receiving credits in our NEPOOL GIS account, aggregating your credits with hundreds of other clients for greater selling power and higher prices, actively selling forward in the market for higher prices, contracting with buyers, delivering credits to buyers, and issuing payments to our clients.

### **For more information**

Please contact: Tim Graham at (774) 244-0177 or [tgraham@GreenHarborEnergy.com](mailto:tgraham@GreenHarborEnergy.com)

Online Portal: <https://greenharborenergy.com/portal.html>